WHAT IS CLAIMED IS:

- 1. An organic electroluminescent device comprising:
- a) an anode and a cathode;
- b) an electroluminescent medium disposed between the anode and the oathode;
- c) an adhesion-promoting layer in contact with the cathode and the electroluminescent medium;
- d) the adhesion-promoting layer has a thickness of between 0.01 to 3.0 nm and comprises at least one metal or metal compound selected from group 1 through group 15 of the Periodic Table of Elements such that the metal has an atomic number of at least 19; and
 - f) the cathode is substantially pure magnesium.
- 2. The organic electroluminescent device of claim 1 wherein the adhesion-promoting layer includes one or more alkali metals selected from K, Rb, or Cs.
- 3. The organic electroluminescent device of claim 1 wherein the adhesion-promoting layer includes one or more alkaline earth metals selected from Ca, Sr, or Ba.
- 4. The organic electroluminescent device of claim 1 wherein the adhesion-promoting layer includes one or more alkali metal compounds wherein the metal includes K, Rb, or Cs.
- 5. The organic electroluminescent device of claim 1 wherein the adhesion-promoting layer includes one or more alkaline earth metal compounds wherein the metal includes Ca, Sr, or Ba.

- 6. The organic electroluminescent device of claim 1 wherein the adhesion-promoting layer includes one or more transition metals or transition metal compounds.
- 7. The organic electroluminescent device of claim 6 wherein the transition metal includes Sb, Ge, Sn, Pb, Ga, Zn, Ni, Pd, Pt, Rh, Ir, Fe, Mn, or Nb.
- 8. The organic electroluminescent device of claim 6 wherein the transition metal compound includes an oxide of Sb, Ge, Sn, Pb, Ga, Zn, Ni, Pd, Pt, Rh, Ir, Fe, Mn, or Nb.
- 9. The organic electroluminescent device of claim 1 wherein the adhesion-promoting layer includes one or more rare-earth metals or rare-earth metal compounds.
- 10. The organic electroluminescent device of claim 9 wherein the rare-earth metal includes La, Ce, Sm, Eu, Tb, Dy, or Yb.
- 11. The organic electroluminescent device of claim 9 wherein the rare-earth metal compound includes oxides of La, Ce, Sm, Eu, Tb, Dy, or Yb.
- 12. The organic electroluminescent device of claim 1 wherein the cathode is greater than 99% pure Mg.
- 13. The organic electroluminescent device of claim 1 wherein the cathode is greater than 99.9% pure Mg.
- 14. The organic electroluminescent device of claim 1 wherein the cathode is an alloy of Mg and Ag.

- 15. The organic electroluminescent device of claim 1 wherein the electroluminescent medium disposed between the anode and the cathode includes a layer comprising Alq that is adjacent to the adhesion-promoting layer.
- 16. The organic electroluminescent device of claim 1 wherein the adhesion-promoting layer is between 0.05 and 2.0 nm.